

Practical Applications in CS I - Session 03.03

CSIT12Results

Record Number: 4

Student ID: 4121004

Student Name: Nesma Mohamed Mahsoub

Credit Hours: 9

GPA: 1.675

StudentID	StudentNa...	English_L...	Linear_Alg...	Calculus_I	Physics	Managem...	Presentati...	Electronics	Fundamen...	Discrete_...	Calculus_II	Introductio...	Critical_Cr...	English_L...	CH	GPA
4121001	Amr Ayma...	A-	A	A	A	A-	A-	A	B	A	A	A	B+		36	3.84166666
4121002	John Mouf...	C	A-	B-	A	B+	A-	A-	B	A	A	C+			33	3.30909090
4121003	Aya Kadry L...	C	C+	C+	C+	B+	A-	D+	C	C-	C	B+			33	2.38181818
4121004	Nesma M...			B	C-	C						F			9	1.675
4121005	Bassam M...	C	B+	B-	C+	A	B+	C+	B-	C+	C	A			33	2.80909090
4121006	Eman Moh...	A	A	A	A	A	A	A	A	A	A	A			33	4
4121007	Ahmed Sh...	C	A-	A	B+	B-	A-	B	A	A	A	A			33	3.49090909
4121008	Ahmed Kh...	B+	B+	C+	B	B+	B	B+	B-	B+	B-	A	B-		36	3.075
4121009	Ahmed Mo...	F	D+	F	C-	C	F	F	F	F	F	F			9	0.45454545
4121010	Mohamed ...	D+	B-	C	B	B	A-	C-	D+	B-	C	C-			33	2.28181818

Navigation: ||< < > >||

Buttons: Delete Update

Form attributes

```
Connection con = null;
Statement stmt = null;
ResultSet rs = null;
String cols[] = new String[17];
int rowPos = 0;
int totalCol = 0;
int totalRows = 0;
int tableEnd = 0;
```

```
public void DoConnect() {
    try {
        String uName = "CSITResults";
        String uPass = "CSITResults";
        String db = "jdbc:mysql://lin.arvixe.com:3306/CSITResults";
        /*String uName = "root";
        String uPass = "root";
        String db = "jdbc:mysql://localhost:3306/CSITResults";*/
        con = DriverManager.getConnection(db, uName, uPass);
        stmt =
        con.createStatement(ResultSet.TYPE_SCROLL_SENSITIVE,
            ResultSet.CONCUR_UPDATABLE);
        String SQL = "SELECT * FROM CSIT12Results";
        rs = stmt.executeQuery(SQL);
        ResultSetMetaData rsmd = rs.getMetaData();
        totalCol = rsmd.getColumnCount();
        for (int n = 0; n < totalCol; n++) {
            cols[n] = rsmd.getColumnName(n + 1);
        }
        rs.last();
```

	<pre> totalRows = rs.getRow(); rs.beforeFirst(); buildTable(); for (int r = 0; r < 10; r++) { rs.next(); rowPos++; buildRow(r); } } catch (SQLException err) { JOptionPane.showMessageDialog(this, err.getMessage()); } } </pre>
	<pre> public void buildTable() { DefaultTableModel dtm = new DefaultTableModel(cols, 10); jTable1.setModel(dtm); } </pre>
	<pre> void buildRow(int r) { try { for (int c = 0; c < totalCol; c++) { jTable1.setValueAt(rs.getString(c + 1), r, c); jTextField5.setText(Integer.toString(rowPos)); } } catch (SQLException err) { JOptionPane.showMessageDialog(this, err.getMessage()); } } </pre>
jTable1MouseClicked	<pre> int r = jTable1.getSelectedRow(); jTextField1.setText(jTable1.getValueAt(r, 0).toString()); jTextField2.setText(jTable1.getValueAt(r, 1).toString()); jTextField3.setText(jTable1.getValueAt(r, 15).toString()); jTextField4.setText(jTable1.getValueAt(r, 16).toString()); jTextField5.setText(Integer.toString(rowPos-(10-r-1))); </pre>
next	<pre> int tableEnd = 10; if (totalRows == rowPos) { return; } else if ((totalRows - rowPos) < 10) { tableEnd = totalRows - rowPos; } buildTable(); </pre>

	<pre> try { for (int r = 0; r < tableEnd; r++) { rowPos++; rs.absolute(rowPos); buildRow(r); } } catch (Exception err) { JOptionPane.showMessageDialog(this, err.getMessage()); } </pre>
previous	<pre> if ((rowPos == totalRows) && (tableEnd == 0)) { rowPos = totalRows - 10; tableEnd++; } else if (rowPos > 21) { rowPos = rowPos - 20; tableEnd = 0; } else { rowPos = 0; try { rs.first(); } catch (Exception err) { JOptionPane.showMessageDialog(this, err.getMessage()); } } jButton3ActionPerformed(null); </pre>
first	<pre> try { rs.first(); rowPos = 0; jButton3ActionPerformed(null); } catch (Exception err) { JOptionPane.showMessageDialog(this, err.getMessage()); } </pre>
last	<pre> try { rowPos = totalRows - 10; rs.absolute(rowPos); jButton3ActionPerformed(null); } catch (Exception err) { JOptionPane.showMessageDialog(this, err.getMessage()); } </pre>
delete	<pre> try{ rs.absolute(Integer.parseInt(jTextField5.getText())); </pre>

		<pre> rs.deleteRow(); } catch (Exception err) { JOptionPane.showMessageDialog(this, err.getMessage()); } </pre>
	update	<pre> try{ rs.absolute(Integer.parseInt(jTextField5.getText())); for(int c=0;c<totalCol;c++) rs.updateString(jTable1.getColumnName(c), jTable1.getValueAt(jTable1.getSelectedRow(), c).toString()); rs.updateRow(); } catch (Exception err) { JOptionPane.showMessageDialog(this, err.getMessage()); } </pre>